

J D Pandey

List of Publications by Year in descending order

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papers

266
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933447

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35
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Alizarin Red S onto Biosorbent of Lantana camara: Kinetic, Equilibrium Modeling and Thermodynamic Studies. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2014, 84, 495-504.	1.2	28
2	Ultrasonic velocity of binary systems at elevated pressures. Pramana - Journal of Physics, 1999, 52, 187-193.	1.8	23
3	Non-linearity parameter B/A of binary liquid mixtures at elevated pressures. Pramana - Journal of Physics, 2000, 55, 433-439.	1.8	23
4	Theoretical estimations of thermodynamic properties of liquid mixtures by Flory's statistical theory. Physics and Chemistry of Liquids, 2008, 46, 417-432.	1.2	20
5	Internal pressure, ultrasonic velocity and viscosity of multi-component liquid systems. Pramana - Journal of Physics, 1993, 40, 81-87.	1.8	17
6	Surface Tension of Ternary Liquid Mixtures. Physics and Chemistry of Liquids, 2001, 39, 763-772.	1.2	16
7	Thermoacoustical approach to the intermolecular free-length of liquid mixtures. PhysChemComm, 2003, 6, 55.	0.8	16
8	Estimation of the Surface Tensions of Benzonitrile, Chlorobenzene, Benzyl Chloride and Benzyl Alcohol in Mixtures with Benzene by Associated and Non-associated Processes at 298.15, 303.15 and 313.15 K. Journal of Solution Chemistry, 2012, 41, 1112-1132.	1.2	14
9	Prediction of Heat of Mixing from Internal Pressure Data. Physics and Chemistry of Liquids, 2001, 39, 781-790.	1.2	10
10	Novel approach for prediction of ultrasonic velocity in quaternary liquid mixtures. Pramana - Journal of Physics, 2005, 64, 135-139.	1.8	10
11	Isotopic effects on non-linearity, molecular radius and intermolecular free length. Pramana - Journal of Physics, 2006, 67, 389-394.	1.8	10
12	A comparative study of non-linearity parameter for binary liquid mixtures. Pramana - Journal of Physics, 2005, 65, 535-540.	1.8	8
13	Density, Viscosity, Thermal Expansion Coefficients and Heat Capacity Ratios of an Environmentally Hazardous Dye Tartrazine in Aqueous Solutions in the Temperature Range 293.15-333.15 K. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2015, 85, 35-39.	1.2	7
14	Pseudo-Gruneisen parameter of molten salts and their binary mixtures. Journal of Chemical Physics, 1982, 77, 1064-1065.	3.0	6
15	Prediction of Refractive Index of Quaternary Liquid Mixtures. Physics and Chemistry of Liquids, 1988, 18, 337-348.	1.2	6
16	Thermochemical and sonochemical studies of adenosine-H ₂ O-DMSO-Ca ²⁺ /K ⁺ systems. Journal of Chemical Sciences, 1999, 111, 747-752.	1.5	6
17	Temperature dependence of ultrasonic attenuation and nonlinearity constant D for germanium. Journal of Applied Physics, 1978, 49, 205-207.	2.5	5
18	Surface Tension and Sound Velocity of Pb-Sn Alloys in the Liquid State. Physics and Chemistry of Liquids, 1985, 14, 253-258.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Ultrasonic studies of interactions in ternary solutions containing sorbitol and sodium carboxylate solution at 308 K. <i>Journal of Chemical Sciences</i> , 1997, 109, 353-361.	1.5	5
20	Theoretical prediction of surface tension of ternary liquid system (nitrogen + oxygen + argon) at elevated temperature and different pressure. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 331-333.	9.4	4
21	Interaction of Uracil and Uridine with the Cosolvent and Denaturant Aqueous Urea at Molecular Level: Effect of Na ⁺ , K ⁺ and Ca ⁺⁺ Ions. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2012, 82, 179-186.	1.2	4
22	Thermodynamic properties of pure liquids within a generalized version of the hole theory. <i>Physics and Chemistry of Liquids</i> , 2012, 50, 69-78.	1.2	4
23	Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed <i>Mikania micrantha</i> . <i>The National Academy of Sciences, India</i> , 2017, 40, 113-116.	1.3	4
24	Interatomic Forces and Cohesive Energy of Diatomic Polar Crystals. <i>Journal of the Physical Society of Japan</i> , 1969, 26, 579-579.	1.6	4
25	Viscosity and density of binary electrolytes in aqueous solutions. <i>Journal of Chemical Sciences</i> , 1997, 109, 289-294.	1.5	3
26	Estimation of Thermal Expansion Coefficients of 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene glycol) from Density Data in the Temperature Range (313.15–363.15 K). <i>The National Academy of Sciences, India</i> , 2015, 38, 153-156.	1.3	2
27	Surface tension and ultrasonic velocity of binary liquid mixtures at 298.15 K. <i>Journal of Chemical Sciences</i> , 1999, 111, 361-367.	1.5	2
28	Compression Study of Higher Alkanes Through Pseudo-Grüneisen Parameters. <i>Physica Status Solidi (B): Basic Research</i> , 1974, 65, K149.	1.5	1
29	Study of Mechanism of Interaction of Mercurochrome with CT-DNA by Computation, Fluorescence and Electrophoretic Methods. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2013, 83, 97-103.	1.2	1
30	Theoretical Formulism of Viscosity of Liquid Mixtures Using Generalized Hole Theory – A New Approach. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2013, 83, 225-231.	1.2	1
31	Evaluation of Thermodynamic and Optical Properties of Sixteen Ionic Liquids at Different Temperatures. <i>Current Physical Chemistry</i> , 2021, 11, 97-121.	0.2	1
32	Computation of various thermodynamic properties of binary liquid mixtures of nitrobenzene and benzene using equation of state modified for high pressures and varying temperatures. <i>Physics and Chemistry of Liquids</i> , 2007, 45, 47-56.	1.2	0
33	Evaluation and Comparative Study of Acoustic Non-Linearity Parameter of Liquid Metals and Alloys using Sound Speed and Density Data. <i>Asian Journal of Chemistry</i> , 2021, 33, 509-514.	0.3	0
34	Compressional Study of Mercury Through Thermodynamic and Thermoacoustical Parameters. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2022, 92, 7-11.	1.2	0
35	Applications of Flory's Statistical Theory to Ionic Liquids in the Extended Pressure Range and at Different Temperatures. <i>Current Physical Chemistry</i> , 2021, 11, .	0.2	0